

In the Claims:

Please amend the claims as follows:

1. (currently amended) A robot wrist with a plurality of rotatable parts arranged in series with each other, comprising:

a first wrist part arranged in use to be mounted to a robot arm or automation machine to enable rotary movement of the first wrist part about a first axis,

a second wrist part journaled in the first wrist part,

a third wrist part journaled in the second wrist part, and

~~wherein each wrist part comprises~~ at least one annular gear member configured to drive said rotary movement of any of said wrist parts relative to another of said wrist parts, said at least one annular gear member having a conical surface, the at least one annular gear member comprising a hollow opening, and wherein a generatrix of the conical surface ~~of least one~~ of said at least one annular gear members member has a negative bevel angle relative to a plane perpendicular to an axis of rotation of said at least one annular gear member, and

an inner protection hose extending through the hollow opening in the at least one annular gear member,

wherein an axis of rotation between the first wrist part and the second wrist part intersects an axis of rotation between the second wrist part and the third wrist part within a boundary wall of the inner protection hose in at least one position of the robot wrist.

2. (previously amended) The robot wrist according to claim 1, wherein at least one of

said gear members has a positive bevel angle relative to a plane perpendicular to the rotation axis and at least one other said gear member has a concave bevel gear with a negative bevel angle.

3. (previously amended) The robot wrist according to claim 1, wherein the negative bevel angle lies in the range between 0 and - 20 degrees.

4. (previously amended) The robot wrist according to claim 1, wherein the negative bevel angle lies in the range between -8 and -12 degrees.

5-8 (cancelled)

9. (currently amended) The robot wrist according to ~~claim 8~~ claim 1, wherein the inner protection hose is arranged so as to pass through the inside of the wrist parts arranged in a single circular arc when the wrist is in a bent position.

10. (currently amended) The robot wrist according to ~~claim 8~~ claim 1, wherein a longitudinal axis of the inner protection hose passing through the inside of the wrist parts has a same total length when arranged in each of a bent and a straight position.

11. (currently amended) The robot wrist according to ~~claim 8~~ claim 1, wherein the inner protection hose has a substantially cylindrical wall.

12. (previously amended) The robot wrist according to claim 11, wherein the inner

protection hose has a cylindrical wall that has a straight and parallel wall cross-section.

13. (previously amended) The robot wrist according to claim 12, wherein the inner protection hose has a wall cross-section in the form of a wave.

14. (previously amended) The robot wrist according to claim 12, wherein the inner protection hose comprises an articulated hose comprising circular sections of at least two different diameters.

15. (previously amended) The robot wrist according to claim 13, wherein the inner protection hose comprises a polymeric material combined with at least one metal reinforcing member.

16. (previously amended) The robot wrist according to claim 15, wherein the inner protection hose comprises a fluoropolymer.

17. (previously amended) The robot wrist according to claim 15, wherein the metal reinforcing member comprises a plurality of metal rings.

18. (previously amended) The robot wrist according to claim 13, wherein the metal reinforcing member comprises any of a spiral wire or a helical wire.

19. (previously amended) The robot wrist according to claim 18, wherein the metal

rings, spiral wire or helical wire of the hose are attached to the outside surface of the polymeric material.

20. (previously amended) The robot wrist according to claim 18, wherein the rings, spiral wire or helical wire of the hose are embedded in the polymeric material.

21. (previously amended) The robot wrist according to claim 1, wherein a plurality of hoses and/or cables are arranged inside said inner protection hose inside the wrist parts.

22. (previously amended) The robot wrist according to claim 21, wherein the plurality of hoses and/or cables are twisted to a predetermined extent inside the inner protection hose and comprise any from the list of: hose, wire, feed rod, cable.

23. (previously amended) The robot wrist according to claim 22, wherein the plurality of hoses and/or cables are arranged installed inside the robot wrist twisted to a predetermined extent through 180 degrees.

24. (previously amended) The robot wrist according to claim 1, wherein the negative bevel angle of the gear member of said second wrist part is arranged facing a third wrist part.

25. (cancelled)

26. (currently amended) The robot wrist according to ~~claim 25~~ claim 1, wherein a gear

member of the first wrist part is arranged to engage a gear member of the second wrist part such that the second wrist part rotatably drives a gear member of the third wrist part engaged by a second gear member of the second wrist part.

27. (currently amended) The robot wrist according to claim 26, wherein the second wrist part gear members rotatably driving the third wrist part gear member are arranged in the second wrist part such that their axes of rotation are at an inclined angle to each other.

28. (currently amended) The robot wrist according to claim 26, wherein a first wrist part gear member and a third wrist part gear member are convex bevel gears with a positive gear angle and a second wrist part gear member is a concave bevel gear with a negative bevel angle.

29-32 (cancelled)